

Program Executive Office Ground Combat Systems



M109A7 PALADIN / M992A2 FAASV

Armored Brigade Combat Team



SPECIFICATIONS:

WEIGHT: Self-Propelled Howitzer - 42 Tons; CAT - 37 Tons

MAIN ARMAMENT: 39-Caliber, 155mm, M284 Cannon

TOP SPEED: 38 MPH

CANNON RANGE: 30km

CREW: PIM 4 crew; CAT 5 crew

MISSION: Provide primary indirect fire support for full spectrum operations; ability to support ABCTs, IBCTs and SBCTs.

OVERVIEW: The M109A7 is a fully tracked, self-propelled digitized cannon artillery system which operates without external technical assistance. The Carrier Ammunition Tracked vehicle (CAT) provides an armored ammunition resupply



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vehicle in support of the PIM.

The M109 Paladin/FAASV A7 is the modernization effort for the Army's self-propelled howitzer fleet that is engineered to increase crew force protection, improve readiness and vehicle survivability, and avoid component obsolescence. The PIM Program modernizes the M109 FOV set of vehicles: the self-propelled howitzer and the tracked ammunition carrier.

The A7 leverages commonality of components with the Bradley Fighting Vehicle program wherever possible to reduce development costs and simplify supply chain management.

IMPROVEMENTS: Modernization of the Paladin includes buying back Space, Weight and Power (SWaP). The PIM features a 600-volt on-board power system designed to accommodate emerging technologies. The on-board power system leverages technologies from the Non-Line-of-Sight Cannon (NLOS-C).

PRODUCTION: FY13: Milestone C decision was executed on 18 October 2013 and Low-Rate Initial Production (LRIP) is slated for FY15.

The Army plans to build 556 new PIM sets that will fully replace the current M109A6/M992A2 fleet. Each set includes a SPH and a CAT.



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